

Title (en)
METHOD FOR THE SEPARATION OF SUSPENSIONS AND DEVICE

Title (de)
VERFAHREN ZUR TRENNUNG VON SUSPENSIONEN UND VORRICHTUNG

Title (fr)
PROCEDE ET DISPOSITIF DE SEPARATION DE SUSPENSIONS

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Application
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Abstract (en)
[origin: WO03031015A1] The invention relates to a method for the separation of suspensions, whereby an external pressure gradient is applied between an inlet reservoir (100) and the outlet reservoirs (300, 310), such that the suspension flows into a micro-channel system. At least one fraction is drawn off directly after an elbow bend (200) through a suction opening (600) by means of a suction channel (400). The adjustment of various volumetric flows in the supply and drain channels of the micro-channel system is achieved by means of selecting the external pressure gradient. The various phases of a suspension are further separated or concentrated by means of a series of elbow bends. The device for carrying out the method connects an inlet reservoir (100) and at least two outlet reservoirs (300, 310) by means of an inlet run (101), an elbow bend (200) and two channels (400, 500) arranged at an angle of $\beta \leq 90^\circ$.

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